Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

No. 2nd & Part Bill (For Other Works) Date.....

Division: **BBMP, Byatarayanapura** Sub-Division: **Byatarayanapura Sub Division**

Bill Received No. Dated Divisional / Sub Divisional Cash Book Voucher No..... Dated.....
Schedule Docket No. Head of Account:

Est.Cost: 80.00 Lakhs D.R.No. :

Name of Work (as per sanctioned estimate) :	Package-1, includes 10 works of Rs. 80.00 lakhs
Name of Contractor and Full Address :	Sri. Gopireddy, NO. 03, 1st Cross, 1st Main, Ramachendrappa layout, Veerannapalya, A.C Post, Bangalore-45
Reference to Agreement No	**BBMP/EE/BTP/WO/76/2019-20,** Date: **03.08.2019**

Certified that the measurements were taken by me on 18.09.2020 and recorded in Pages 53601to14 of measurement Book **No.** 536/19.20 and that the work is satisfactorily executed.

G Officer
Contractor

Officer-in-charge of work

Certified that the measurement were taken by me on 18/9/2020 and found correct. The work is satisfactorily executed. Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub Division Officer

II Memorandum of Payment **Work Code: 006-19-000002,05,09,14,15 (P3291, P3297)**

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being .....percent Rs.....
3) " Balance
4) Deduct Payment:
   a. Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... Amount adjusted towards cash advance recovery of
   b. Payments Now made { cost store or other material supplied. / recovery of amount creditable to this/other work / Amount paid on this bill Cheque / Cash.
5) Balance being unpaid value of work done held in reserve.
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.
7) Net amount due to or from Contractor adjustments items.
8) Advance to Contractor for materials brought to site (as detailed) within.
9) Value of Government materials supplied.

Total amount adjusted -

G Officer
Contractor's Signature

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum
(in final settlement of all demands) (For use in the Office)

Witness
1.
2.

Dated Signature of Contractor G Officer

Stamp

Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....

Initials of Officer making payment

Executive Engineer

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Sl. No.	Descriptions	Unit	Previous Measurement		Present Measurement			Total Upto Date		Remarks
			Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
1	KSRB 2-1 1 Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1.P. No. 5/ Item No. 2.1/ PWD SR 2016-17	Cum	5.40	853.20	0.00	158.0	0.00	5.40	853.20	
2	KSRB 2-2 1 earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in Ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.3/ PWD SR 2016-17	Cum	22.50	4297.50	0.00	191.0	0.00	22.50	4297.50	
3	KSRB-4-1.3 Providing and laying in position plain cement concrete of mix M 7.5 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2, No. 12/ Item No. 4.3/ PWD SR 2016-17 With Area Weightage @ 8%	cum	0.00	0.00	0.00	4922.0	0.00	0.00	0.00	
4	KSRB-4-1.3 Providing and laying in position plain cement concrete of mix M 7.5 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2, No. 12/ Item No. 4.3/ PWD SR 2016-17 With Area Weightage @ 6%	cum	37.50	189900.00	0.00	5064.0	0.00	37.50	189900.00	
5	KSRB 5.2-2 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with mud mortar 1:8, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 25/ Item No. 5.5/ PWD SR 2016-17	cum	0.00	0.00	0.00	4082.0	0.00	0.00	0.00	
6	KSRB 5.3-1 Providing and constructing granite / trap / basalt size stone masonry in basement with mud mortar, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications KBS 5-1.13 Page No. 23/ Item No. 5.9/ PWD SR 2016-17	Cum	0.00	0.00	0.00	5062.0	0.00	0.00	0.00	
7	KSRB 4.2.2 Providing and laying in position Reinforced cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1.4.6, No. 13/ Item No. 4.11/ PWD SR 2016-17	Cum	3.60	21884.40	0.00	6079.0	0.00	3.60	21884.40	
8	KSRB 4.9.2 providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46/ PWD SR 2016-17	qtl	0.00	0.00	0.00	61292.0	0.00	0.00	0.00	
9	KSRB 5-14 Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S. 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 24/ Item No. 5.27/ PWD SR 2016-17	Sqm	0.00	0.00	0.00	948.0	0.00	0.00	0.00	
10	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 119/ Item No. 15.1 PWD SR 2016-17	sqm	0.00	0.00	0.00	98.0	0.00	0.00	0.00	
11	'SOLID PVC DOOR FRAMEProviding & fixing factory made PVC Door frame of size 50x47 mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners & jointed 2No.s of 150mm long brackets of 15x15 mm M.S. Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size complete as per manufactures specification & direction of Engineer-in charge Page No. 57/ Item No. 9.84/ PWD SR 2016-17	Sqm	0.00	0.00	0.00	532.0	0.00	0.00	0.00	
12	SOLID PANEL PRELAM PVC DOOR SHUTTERProviding & fixing 30mm thick factory made rigid foam prelam panelled Door Shutters made from M.S. tube of 19x19mm, 19 gauge for styles and 15x15mm for top & bottom rails, covered with heat moulded prelaminated PVC 'C' Channel of 5mm thick sheet & 30x50mm wide of form styles & 5mm thick & 75mm wide prelaminated PVC sheets for top rail, lock rail & bottom rail on either side & 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet Prelaminated on either side fitted in the M.S. frame, sealed to the styles &rails with PVC designer beading on either side & joined together with solvent cement adhesive etc , complete as per manufactures specification & direction of Engineer –in-charge fixed to frames with 3nos of 75mm Aluminium hinges. With Both Side Prelam Page No. 58/ Item No. 9.85/ PWD SR 2016-17	Sqm	0.00	0.00	0.00	4090.0	0.00	0.00	0.00	

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13	KSRB 15.3.13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering. : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Page No. 110/ Item No. 15.21 PWD SR 2016-17	Sqm	344.01	**67081.95**	0.00	195.0	**0.00**	344.01	**67081.95**	
14	KSRB 15-3.7 - Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Page No. 109/ Item No. 15.15/ PWD SR 2016-17	Sqm	0.00	**0.00**	0.00	247.0	**0.00**	0.00	**0.00**	
15	KSRB 15.3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 110/ Item No. 15.18 / PWD SR 2016-17	Sqm	0.00	**0.00**	0.00	223.0	**0.00**	0.00	**0.00**	
16	KSRB 15.4.1 : Extra for providing and mixing water proofing compound in cement plaster work at one kg per bag or in the proportion recommended by the manufactures, for cement mortar 1:3, 12mm thick cost of materials complete as per specifications. Page No. 110/ Item No. 15.23/ PWD SR 2016-17	Sqm	0.00	**0.00**	0.00	7.0	**0.00**	0.00	**0.00**	
17	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15/ Item No. 4.29.2/ PWD SR 2016-17	Sqm	0.00	**0.00**	0.00	556.0	**0.00**	0.00	**0.00**	
18	KSRB 15.7 Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications Page No. 110/ Item No. 15.17/ PWD SR 2016-17	Sqm	0.00	**0.00**	0.00	200.0	**0.00**	0.00	**0.00**	
19	KSRB 15-3.7 - Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 109/ Item No. 15.15/ PWD SR 2016-17	Sqm	0.00	**0.00**	0.00	247.0	**0.00**	0.00	**0.00**	
20	KSRB 15.15.3 Providing and applying painting in one coat with plastic emulsion paint of approved brand and manufacture on wall surface to give an even approved shade after thoroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth cost of materials, labour, complete as per specifications Page No 114/ Item No. 15.52 / PWD SR 2016-17	Sqm	0.00	**0.00**	0.00	45.0	**0.00**	0.00	**0.00**	
21	Providing and fixing Ceramic tiles of size 400x400mm for flooring, threads,steps and landing,laid on a bed of 20mm thick cement morta 1:3 mix flush pointing with white cement mixed with matching colour pigment including curing, clearing etc complete .The Worked including curing , clearing etc., complete, The work includes cost of all materials Labour charges for all items or work, hire charges for equipment, etc., complete as per specification. Page No. 116/ Item No. 14.63 / PWD SR 2016-17	Sqm	0.00	**0.00**	0.00	1087.0	**0.00**	0.00	**0.00**	
22	KSRB 14.17.2 Providing skirting, dado, rises of steps with Colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface white should be measured and paid separately) using glazed tiles of approved make and size of materials, labour, complete as per specifications Specification No. KBS 14.17. Page No. 103/ Item No. 14.41.1 / PWD SR 2016-17	Sqm	0.00	**0.00**	0.00	1084.0	**0.00**	0.00	**0.00**	
23	SKSRB 15-16 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. Page No. 114/ Item No. 15.53.2 / PWD SR 2016-17	Sqm	0.00	**0.00**	0.00	85.0	**0.00**	0.00	**0.00**	
24	KSRB 15.17.8 : Extra over item No 15-17.6 for applying every subsequent coat of enamel paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications Page No 113/ Item No. 15.60.2 / PWD SR 20114-15	Sqm	0.00	**0.00**	0.00	49.0	**0.00**	0.00	**0.00**	
25	Providing and fixing chlorinated poly veny chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing, this including jointing of pipes and fittings with one step CPVC solvent cement and the cost of cutting chases & making good the same including testing of joints complete.(concealed work including cutting chases and good the walls etc.),15mm nominal OD pipes Page No. 92/ Item No. 13.83.1/ PWD SR 2016-	m	0.00	**0.00**	0.00	253.0	**0.00**	0.00	**0.00**	
26	KSRB 13-6.1.2 : Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification NO KBS 13.2.2 / 13.3. Page No. 88/ Item No. 13.24 / PWD SR 2016-17	Each	0.00	**0.00**	0.00	246.0	**0.00**	0.00	**0.00**	
27	KSRB 11-2 : Providing and fixing white vitreous china clay, water closets Orissa pattern of size 580 x 440mm with integral type footrests, 100m S or P trap, 10 litre low level, P. V. C. flushing cistern (all are approved make) with fittings C.I. / M.S. brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.Specification No. KBS Page No. 78/ Item No. 12.2 PWD SR 2016-17	Unit	0.00	**0.00**	0.00	4304.0	**0.00**	0.00	**0.00**	
28	Providing and fixing CI Nahani Trap of approved make conforming to ISI specifications and construction of cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot) 10 cms. x 7.5cms. Page No.91/ Item No. 12.113.1 PWD SR 2016-17	Each	0.00	**0.00**	0.00	248.0	**0.00**	0.00	**0.00**	
29	KSRB 13-6.1.2 : Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification NO KBS 13.2.2 / 13.3. Page No. 88/ Item No. 13.24 / PWD SR 2016-17	Each	0.00	**0.00**	0.00	246.0	**0.00**	0.00	**0.00**	

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30	KSRB 11 11 3 Providing and fixing white vitreous china clay, flat back wash basin of size 550x400mm with pair of 15mm C P brass pillar taps with C I /M S brackets 32mm C P brass waste of standard pattern, painting of fitting and brackets cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications Specification No KBS 11 Page No 82/ Item No 12 25 PWD SR 2011-12	Unit	0.00	**0.00**	0.00	3597.0	**0.00**	0.00	**0.00**	
31	KSRRB 300-1 Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0 5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3 No 141/ Item No 19 1/ PWD SR 2016-17	Cum	0.00	**0.00**	0.00	83.0	**0.00**	0.00	**0.00**	
32	KSRB-4-1 3 Providing and laying in position plain cement concrete of mix M 1 4 8 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0 892cum and fine aggregates @0 57cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No KBS 4 1 4 2 No 12/ Item No 4 3/ PWD SR 2016-17	Cum	0.00	**0.00**	21.46	4922.0	**105626.12**	21.46	**105626.12**	
33	KSRB 5 2 3 Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1 6 stone hammerd dressed in courses not less than 20 cms high, bond stones at two m apart in each course including cost of materials, labour, curing complete as per specifications KBS 5 1 13 Page No 23/ Item No 5 6/ PWD SR 2016-17	cum	0.00	**0.00**	0.00	4234.0	**0.00**	0.00	**0.00**	
34	KSRB 4-1 7 Providing and laying in position plain cement concrete of mix 1 3 6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0 84cum and fine aggregates @0 56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No KBS 4 1 4 2/P No 13/ Item No 4 7/ PWD SR 2016-17 With Area Weightage @ 8%	cum	0.00	**0.00**	0.00	5342.0	**0.00**	0.00	**0.00**	
35	KSRB 4-1 7 Providing and laying in position plain cement concrete of mix 1 3 6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0 84cum and fine aggregates @0 56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No KBS 4 1 4 2/P No 13/ Item No 4 7/ PWD SR 2016-17 With Area Weightage @ 6%	cum	8.26	**43530.20**	0.00	5270.0	**0.00**	8.26	**43530.20**	
36	Supplying and fixing M S rectangular poles made out of 2 equal angles of 65x656 mm welded together and fixed in CC (1 2 4) with 2 NOS 16 mm dia. M S hold fast rods each of length 25 cms, including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer in charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete). No 265/ Item No. 37 2 PWD SR 2016-17	m	0.00	**0.00**	0.00	828.0	**0.00**	0.00	**0.00**	
37	Providing and fixing M S Block pipe of 38 mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the two vertical poles (M S rectangular poles) and spot welding the chain link with M S block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the engineer in charge of work etc, complete including two coats of approved quality paint over one coat of shop paint No 265 Item No 37 4 PWD SR 2016-17	m	0.00	**0.00**	0.00	328.0	**0.00**	0.00	**0.00**	
38	Providing chain link fencing 50 mm size of 8 guage properly stretched between rectangular poles and fixed with suitable bolts & nuts, the free ends shall bed welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the engineer – in charge of work including two coats of approved quality paint over one coat of shop paint, No. 265/ Item No. 37.3 PWD SR 2016-17	Sqm	0.00	**0.00**	0.00	666.0	**0.00**	0.00	**0.00**	
39	KSRB 15-18 2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. Page No. 104/ Item No. 15.74/ PWD SR -2016-17	Sqm	0.00	**0.00**	0.00	83.0	**0.00**	0.00	**0.00**	
40	KSRRB 300-1 Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0 5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3 No 143/ Item No 19 1/ PWD SR 2018-19	Cum	120.15	**15499.35**	165.65	129.0	**21368.85**	285.80	**36868.20**	
41	KSRB 4-6 7 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4 6 2 Page No 17/ Item No 4 34/ PWD SR 2018-19	Sqm	0.00	**0.00**	420.00	290.0	**121800.00**	420.00	**121800.00**	
42	KSRB 4 2 2 Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0 878cum and fine aggregates @0 459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4 1,4 6, No KBS 4 1 4 6, No 14/ Item No. 4 11/ PWD SR 2018-19	Cum	0.00	**0.00**	59.56	5617.0	**334548.52**	59.56	**334548.52**	

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43	KSRB 4 9 2 providing T M T steel reinforcement for R C C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications Specification No. KBS 4 6 3 Page No. 18/ Item No. 4 46 2/ PWD SR 2018-19	qtl	0.00	**0.00**	5.14	70440.0	**362061.60**	5.14	**362061.60**	
44	Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shuttering machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications c c 1:1.5:3 Including all cost of Matirial (DATA RATE ENCLOSED) 10cm thick RCC pre cast slab	Sqm	0.00	**0.00**	124.38	1739.0	**216296.82**	124.38	**216296.82**	
45	KSRRB M100 2 Loading and Unloading of stone boulders by manual means complete as per specification MORTH-100/chapter-1 Page No. 136/ Item No. 17 1/ PWD SR 2018-19	Cum	0.00	**0.00**	165.65	56.0	**9276.40**	165.65	**9276.40**	
46	KSRB 2-1 1 Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2-1 1 pg No. 6/ Item No. 2 1/ PWD SR 2018-19	cum	0.00	**0.00**	0.00	247.0	**0.00**	0.00	**0.00**	
47	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1 Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 136, item No. 17 1)	cum	125.55	**11048.40**	0.00	88.0	**0.00**	125.55	**11048.40**	
48	KSRB- 15-18 2 Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications (Item No. 15.74, P. 123/ PWD SR 2018-19)	sqm	300.00	**28200.00**	0.00	94.0	**0.00**	300.00	**28200.00**	
49	KSRB 4-1 3 Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregares @ 0.465 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No KBS 4.1.4.2 pg No. 13/ Item No. 4.2/ PWD SR 18-19	cum	0.00	**0.00**	0.00	5155.0	**0.00**	0.00	**0.00**	
50	KSRB- 4-1 5 Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregares @ 0.43 cum with superplastisiser @ 3lts confirming to IS9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification No. KBS 4.1,4.2,pg No. 13/ Item No. 4.5	m	0.00	**0.00**	0.00	5288.0	**0.00**	0.00	**0.00**	
51	Supplying and fixing MS rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC 1:2:4 with 2 No. of 16mm dia MS hold fast rods each of length 25 cm, including ocst of all materials, cutting, bending, scaffolding wherever necessary, nicely finishing the welded joints with all leads and lifts and as per the directions of the Engineer in charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) (P. 262, I. 37.2)	m	176.40	**150469.20**	0.00	853.0	**0.00**	176.40	**150469.20**	
52	Providing and fixing MS block pipe of 38 mm dia of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (MS rectangular poles) and spot welding the chain link with MS block pipe including cost of all materials, wastage in cutting and scaffolding whereever necesssary with all lead and lift as directed by the Engineer in charge of the work and including providing 2 coats of approved quality paint over one coat of shop paint (PWDSR 2015-16, P. 266, I. 37.7)	M	98.00	**39690.00**	0.00	405.0	**0.00**	98.00	**39690.00**	
53	Providing chainlink fencking 50mm size of 8 guage properly stretched between existing rectangular poles andfixed with suitable bolts and nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts as per the direcdtions of the Engineer in charge of the work and including providing 2 coats of approved quality paint over one coat of shop paint (PWDSR 2015-16, P. 266, I. 37.3)	cum	225.00	**159750.00**	0.00	710.0	**0.00**	225.00	**159750.00**	
54	KSRB4-1 6 Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs, with 20 mm and down size graded granite matel coarse aggregales @ 0.878 cum and fine aggragtes @ 0.53cum, machine mixed concrete laid in layers not eceeding 15 cms, thick well compacted, in foundation, plinth and cills including cost of all materials, labour HOM machinery curing complate as per specifications. (Page No. 12. Item No. 4.6)	Cum	0.00	**0.00**	0.00	5382.0	**0.00**	0.00	**0.00**	
55	KSRB 5 3-1 Providing and constructing granite /trap/basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20cms hign, bond stones at two m apart in each course including cost of materials, labour, curing etc., complete as per specifications (P-25. Item No. 5 6)	Cum	28.19	**128602.78**	0.00	4562.0	**0.00**	28.19	**128602.78**	
56	KSRB 15 1 4 Providing ruled pointing to coursed stone masonry with cement mortar 1:4, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications cement mortar 1:4 Page No. 115 / Item No. 15.4 / PWD SR 2018-19	Sqm	64.80	**9007.20**	0.00	139.0	**0.00**	64.80	**9007.20**	
57	Providing and fixing 20 cm thick pre cast RCC covering slab using reinforced cement concrete M 20 mix with stone aggregate 20 mm and down size including centring shuttering reinforcement and bar bending machine mixed concrete laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing comlete as per specification (Data Rate)	Sqm	81.00	**387666.00**	0.00	4786.0	**0.00**	81.00	**387666.00**	
58	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 of size 450x150x500 mm and finished with CM 1:3 plastering and finishing cutting etc., complete Pg No. 27, Item No 5.29.1	Sqm	1040.00	**456560.00**	0.00	439.0	**0.00**	1040.00	**456560.00**	

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59	KSRB 5-9 1 Providing and applying ready mix priming coat over ocncrete / masonry, / asbestos cement sheet / plastered surfaces includding preparing the surface after thorougly cleaning of oil, grease, dirt and other foreign matter and sand papering including cost of materials. labour compelte as per specifications. Page No. 124 / Item No. 15.80	Sqm	468.00	**16848.00**	0.00	36.0	**0.00**	468.00	**16848.00**
60	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular slabs /side walls polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge (Page No.16, Item NO 4.32)	Sqm	0.00	**0.00**	0.00	452.0	**0.00**	0.00	**0.00**
61	Providing and placing on terrace, polyethylene water storage tanks asper IS 12707:1996 with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of materials, labour, transport charges, HOM and testing complete as per specifications for 1000 litre capacity (Page No.96, Item NO 3.78)	Nos	0.00	**0.00**	0.00	6777.0	**0.00**	0.00	**0.00**
62	KSRB 15-16 1 Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.	Sqm	288.00	**20160.00**	0.00	70.0	**0.00**	288.00	**20160.00**
63	KSRB 14.6-1 Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications Specification No. KBS (P.No. 103, I No. 14.6 of CSR 2016-17)	Sqm	269.50	**287017.50**	0.00	1065.0	**0.00**	269.50	**287017.50**
64	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1 Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 118, item No. 17.1)	Cum	12.30	**1082.40**	0.00	88.0	**0.00**	12.30	**1082.40**
65	KSRB 2-2 2 Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5.	Cum	0.00	**0.00**	0.00	286.0	**0.00**	0.00	**0.00**
66	KSRB 7.9 Providing and fixing M.S grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12.	Kg	4.32	**341.28**	0.00	79.0	**0.00**	4.32	**341.28**
67	PVC DOOR Shutter : Supply and fixing of doors shuttersmade of rigid PVC extruded hollow section of 20mm X 200mm with the wall thickness of 1.0mm + /0.1mm equally divided into 4nos with tongue and groove locking arrangements. The shutter frame is made of 58*24 mm with the wall thickness of 1.5mm+/-0.15mm section metricut and joined at 4 corners with 125mmX225mm plastic brackets. The shitter shall be horizontally reinforced with 2nos of 8mm PVC rods. Teak wood battons shall be reinforced inside the door shutter during the fabrication of the door shutter at those points wherever the hardware is fixed on to the door shutter.	Sqm	12.60	**22415.40**	0.00	1779.0	**0.00**	12.60	**22415.40**
68	KSRB15-3 10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding including cost of materials, labour, curing complete as per specifications.	Sqm	115.20	**30182.40**	0.00	262.0	**0.00**	115.20	**30182.40**
69	KSRB 15-16 1 Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.	Sqm	46.90	**1922.90**	0.00	41.0	**0.00**	46.90	**1922.90**
70	KSRB 14 14-5 Providing ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications. ceramic tiles 400X400X20mm	Sqm	137.40	**163643.40**	0.00	1191.0	**0.00**	137.40	**163643.40**
71	KSRB 14 14-5 : Providing ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications. ceramic tiles 15X15cms 6mm thick	Sqm	38.40	**35904.00**	0.00	935.0	**0.00**	38.40	**35904.00**
72	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete (internal work exposed on wall) - 25mm nominal OD pipes. 20mm dia CPVC pipe	Mtr	30.00	**3780.00**	0.00	126.0	**0.00**	30.00	**3780.00**
73	25mm dia CPVC pipe	Mtr	30.00	**5010.00**	0.00	167.0	**0.00**	30.00	**5010.00**
74	32mm dia CPVC pipe	Mtr	29.00	**6293.00**	0.00	217.0	**0.00**	29.00	**6293.00**
75	Providing white vitreous china clay indian pattern squatting urinals with white glazed foot rests of approved quality and make conforming to ISI specifications and fixing in position with M-15 as directed of size 50.8 cms X 38 cms X 10.16 CMS - A grade(Rate includes cost of all materials, and conveyance to work spot)	Eac	4.00	**3924.00**	0.00	981.0	**0.00**	4.00	**3924.00**

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76	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of system in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot)	Nos	5.00	**1440.00**	0.00	288.0	**0.00**	5.00	**1440.00**	
77	KSRB13-6 1-1 Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No KBS 13 2 2 / 13 3	Nos	15.00	**3495.00**	0.00	233.0	**0.00**	15.00	**3495.00**	
78	KSRB 12-8 1 Constructing brick masonry inspection chamber 455x610mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1 5, C I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R C C top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1 3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications	Nos	4.00	**28480.00**	0.00	7120.0	**0.00**	4.00	**28480.00**	
79	KSRB 11-5 Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C P brass hinges, rubber buffers, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C I/M S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, including cost of materials, labour complete as per specification	Nos	5.00	**25940.00**	0.00	5188.0	**0.00**	5.00	**25940.00**	
80	KSRB 11-11 1 Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C P brass pillar taps with C I / M S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications Specification No KBS 11	Nos	3.00	**11790.00**	0.00	3930.0	**0.00**	3.00	**11790.00**	
81	KSRB 13-11 1 Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 : 1996 with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications (For 1000 litre capacity)	Nos	2.00	**17126.00**	0.00	8563.0	**0.00**	2.00	**17126.00**	
82	Providing and finishing external walls in two coats over one coat of 100% acrylic silicon glazed primer with antifungal paint for top coat of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per	Sqm	115.20	**17510.40**	0.00	152.0	**0.00**	115.20	**17510.40**	
83	Providing and installing at site of work 63mm (0 662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete (P.NO - 94, I NO - 13 73 2, PWD SR 16-17)	Nos	49.00	**16905.00**	0.00	345.0	**0.00**	49.00	**16905.00**	
84	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications (P NO - 6, I NO - 2 11, PWD SR 16-17)	Sqm	22.05	**1653.75**	0.00	75.0	**0.00**	22.05	**1653.75**	
85	KSRB 4-1 2 Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4 1, 4 2	Cum	0.00	**0.00**	0.00	5103.0	**0.00**	0.00	**0.00**	
86	KSRB 5 2-3 Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1 6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13	Cum	0.00	**0.00**	0.00	5061.0	**0.00**	0.00	**0.00**	
87	KSRB 5 2-1 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with mud mortar, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.12 Page No. 22/ Item No. 5.4/ PWD SR 2016-17	Cum	0.00	**0.00**	0.00	5061.0	**0.00**	0.00	**0.00**	
88	KSRB 4-1 6 . Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4 1 4 2	Cum	0.00	**0.00**	0.00	6079.0	**0.00**	0.00	**0.00**	
89	KSRB 5-14 Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) 2005 and constructed with CM 1:4 , as per IS 2572 2005 including cost of all materials, labour charegs, scaffolding curing complete as per specifications. KBS No.5 4	Sqm	0.00	**0.00**	0.00	947.0	**0.00**	0.00	**0.00**	
90	KSRB 6-2 3 Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 50 (table moulded) with cement mortar 1:6 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No KBS 6 2, Page No. 27/ Item No. 6 6/ PWD SR 2016-17	Sqm	0.00	**0.00**	0.00	6760.0	**0.00**	0.00	**0.00**	

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91	KSRB 4-6 3 Providing and removing centering shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors roofs landings, balconies and likes, thickness above 200 mm including cost of all materials labour complete as per specificaiton Specification No KBS 4 6 2 P NO 15 I NO 4 30	Sqm	0.00	0.00	0.00	388.0	0.00	0.00	0.00	
92	KSRRB M 2300-2 1 Plain/reinforcement Cement Concrete design mix M20 super structure with OPC cement @320kgs with 20mm and down size graded granite metal coarse aggregates @0 69cum and fine aggregates @0 45cum with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-1508 height upto 5 mtrs	cum	0.00	0.00	0.00	6800.0	0.00	0.00	0.00	
93	KSRB 4 9 2 Providing T M T steel reinforcement for R C C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4 6 3 TMT Bar Fe 500 P NO 17 I NO 4 46 2	tonn	0.00	0.00	0.00	56684.0	0.00	0.00	0.00	
94	KSRB 9-7 1 Providing and fixing in position fully pannelled mathi/Nandi wood shutters for doors, styles and rails of 30mm Thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications (excluding cost of fixtures) specification NO KBS 9 34	Sqm	0.00	0.00	0.00	2670.0	0.00	0.00	0.00	
95	PVC DOOR Shutter Supply and fixing of doors shuttersmade of rigid PVC extruded hollow section of 20mm X 200mm with the wall thickness of 1 0mm + /0 1mm equally divided into 4nos with tongue and groove locking arrangements The shutter frame is made of 58*24 mm with the wall thickness of 1.5mm+/-0.15mm section metricut and joined at 4 corners with 125mmX225mm plastic brackets The shitter shall be horizontally reinforced with 2nos of 8mm PVC rods Teak wood battons shall be reinforced inside the door shutter during the fabrication of the door shutter at those points wherever the hardware is fixed on to the door shutter	Sqm	0.00	0.00	0.00	1780.0	0.00	0.00	0.00	
96	KSRB15-3 10 Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding including cost of materials, labour, curing complete as per specifications	cum	0.00	0.00	0.00	262.0	0.00	0.00	0.00	
97	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 Placing tipper at loading point loading with front end loader dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH -100/ Chapter 1 Disposing of the excavated materials to a distance of 15 00kms by mechanical means	Cum	0.00	0.00	0.00	108.0	0.00	0.00	0.00	
98	Removing B S Slab of Drain and stacking Page No 25/ Item No 5 32/ PWD SR 2016-17	Sqm	0.00	0.00	0.00	62.0	0.00	0.00	0.00	
99	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc. complete -do- 7 5 cms thick Page No 28/ Item No 5 31 1/ PWD SR 2016-17	Sqm	0.00	0.00	0.00	635.0	0.00	0.00	0.00	
100	KSRB 4-1 7 Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0 84cum and fine aggregates @0 56cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4 1 4 2/P No 13/ Item No 4 7/ PWD SR 2015-16	Cum	0.00	0.00	0.00	5142.0	0.00	0.00	0.00	
101	KSRB 5-14 Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I S 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications Page No 24/ Item No 5 27/ PWD SR 2016-17	Sqm	0.00	0.00	0.00	930.0	0.00	0.00	0.00	
102	KSRB 4 2 2 Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0 878cum and fine aggregates @0 459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing complete as per specifications Specification. No. KBS 4 1,4 6, No KBS 4 1 4 6, No 13/ Item No 4 11/ PWD SR 2016-17	Cum	0.00	0.00	0.00	5966.0	0.00	0.00	0.00	
103	KSRB 15-17 6 Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter sand papering including cost of materials, labour, complete as per specifications Page No 125 / Item No 15 60 / PWD SR 2016-17	Sqm	0.00	0.00	0.00	85.0	0.00	0.00	0.00	
104	Providing and fixing M S Gate as per Cheaf Architect Drawing using 50mmX50mm 14 guage M S hollow pipe frame work bent to ornamental shape as shape as shown in the drawing and 35mmX6mm and 16X16mm squre roads for verticals alternatively spaced at 4cms c/c in two halves and 40mmX6mm M S flats for horizontal member and at at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete All the steel surface should be thoroughly cleaned free of of rust and painted with anti corrosive paint (shop paint) etc complete the work includes cost of all materials, labour charges for all item of work, hire charges of welding, cutting and grainding equipment, and electricity charges, with lead and lift loading and lunloading charges etc , complete as per specification and drawing Page No 47/ I No 7 37/ PWD SR 2016-17	Sqm	0.00	0.00	0.00	2967.0	0.00	0.00	0.00	
105	Refixing stone slabs of drains and pointing in C M (1:3) Page No 25/ Item No 5 33/ PWD SR 2016-17	Sqm	0.00	0.00	0.00	77.0	0.00	0.00	0.00	

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106	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R C C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed Cement concrete M-20 for raft foundation, column footing, main and secondary beams Page No 18/ Item No 4.48/ PWD SR 2016-17	Cum	0.00	0.00	0.00	5835.0	0.00	0.00	0.00	
107	KSRB 2.3 Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m including cost of all labour complete as per specifications, specification (P.NO - 6, I NO - 2.11, PWD SR 16-17)	Cum	0.00	0.00	0.00	128.0	0.00	0.00	0.00	
108	KSRB 4.9.2 providing T M T steel reinforcement for R C C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications Specification No KBS 4.6.3 Page No 17/ Item No 4.46.2/ PWD SR 2016-17	qtl	0.00	0.00	0.00	60157.0	0.00	0.00	0.00	
109	KSRB 11-11.1 Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P.brass pillar taps with C.I./ M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 [P.No 80-1 No 12.23]	Nos	0.00	0.00	0.00	3930.0	0.00	0.00	0.00	
110	KSRB 8.6-5 Providing and fixing in wall surface 2.5 kg/sq.cm H.D.P.E. rain down water pipes 90 mm outer dia approved make and brand with necessary specials like shoes bends and offsets fixed with iron clamps, walls plugs, screws, including cost of materials, labour,Curing complete as per specifications. Page No. 52/ Item No. 8.16/ PWD SR 2016-17	M	0.00	0.00	0.00	402.0	0.00	0.00	0.00	
111	KSRRB M200-15.2 Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications iii) Dismantling Stone Masonry B Rubble stone masonry in cement mortar MORTH Specification No 202 Page No 137 Item No 18.27	Cum	6.75	1667.25	0.00	247.0	0.00	6.75	1667.25	
112	Excavation and removal of silt and silt mixed with sand in slussy condition from canal bed including disposing off the same in spoil bank or on the canal embankment in layers as directed etc., complete with lead upto 50 m and all lifts (16-17.P.157 I.WRD 8.35)	Cum	1689.60	795801.60	0.00	471.0	0.00	1689.60	795801.60	
113	KSRRB M2100-5.1 Earth work in excavation for foundation of structures as per drawing and technical specifications including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material complete as per specifications. "V Marshy soil - A Manual Means Upto 3 m depth MORTH Specification No 304 Page No 216 Item No 27.12	Cum	0.00	0.00	0.00	502.0	0.00	0.00	0.00	
114	KSRRB M2100-13 - Plain Cement Concrete M15 with OPC cement @ 240 kgs, with 40mm and down size graded granite metal coarse aggregates @0.84 cum and fine aggregates @ 0.56cum, in open foundation complete as per Drawing and Technical Specification MORTH Specification No 1500, 1700 & 2100	Cum	0.00	0.00	0.00	5937.0	0.00	0.00	0.00	
115	KSRRB M 2100-17.2 Plain/reinforcement Cement Concrete design mix M25 with OPC cement @340 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70cum and fine aggregates @0.47cum with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, open foundation complete as per Drawing and Technical Specification with Batching plant, transit mixer and concrete pump MORTH Specification No 1500, 1700 & 2100	Cum	0.00	0.00	0.00	6153.0	0.00	0.00	0.00	
116	Stone masonry work in cement mortar 1:3 for substructure complete as per drawing and technical specification B Ramdom Rubble Masonry (Coursed/uncoursed) MORTH specifications No 1405.4 with available stones	Cum	4.02	12417.78	0.00	3089.0	0.00	4.02	12417.78	
117	Stone masonry work in cement mortar 1:3 for substructure complete as per drawing and technical specification B Ramdom Rubble Masonry (Coursed/uncoursed) MORTH specifications No 1405.4 with New stones	Cum	2.70	10864.80	0.00	4024.0	0.00	2.70	10864.80	
118	Providing Rulled pointing to course stone masonry with cement mortar 1:3, 20mm deep, after raking joints o depth of 20mm nicely lining including cost of materials, labours, curing complete asper specification	Sqm	39.12	3872.88	0.00	99.0	0.00	39.12	3872.88	
	Grand Total			3260769.32			1170978.00		4431747.32	
	Add GST 12%			335071.64			140517.00		475588.64	
	Net Total Amout			3595840.96			1311495.00		4907335.96	

CERTIFICATE

1 Certified that the above work done satisfactory and no materials issued from departmentally

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